

Fig.1

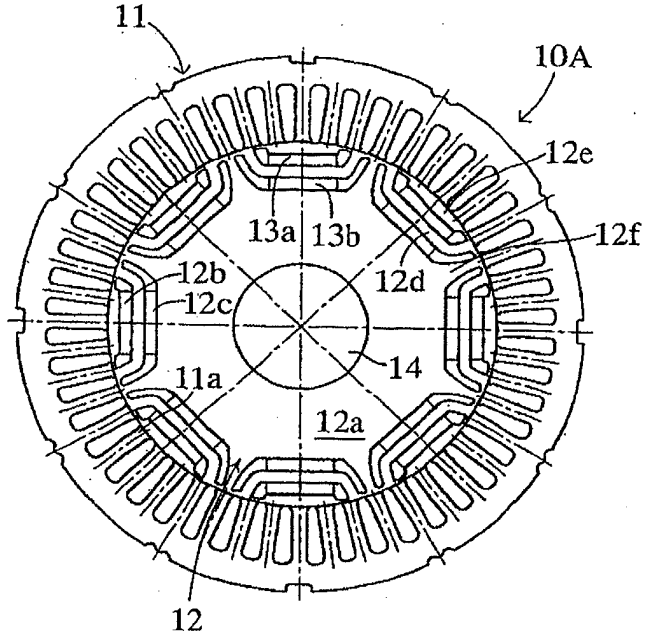
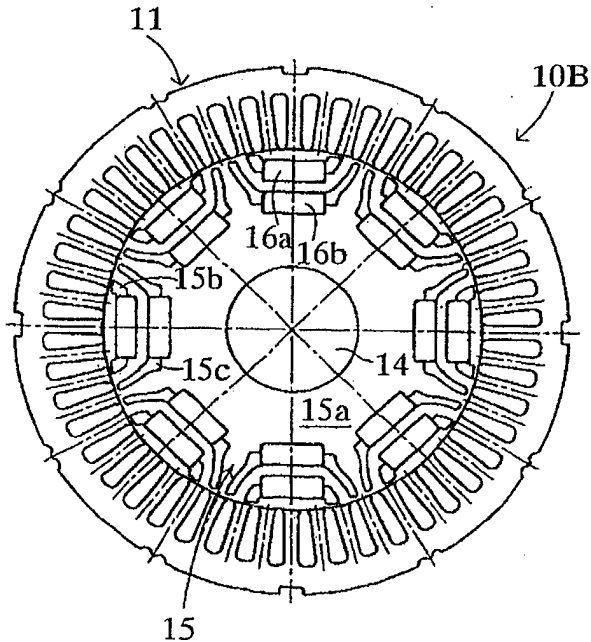


Fig.2



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Fig.3

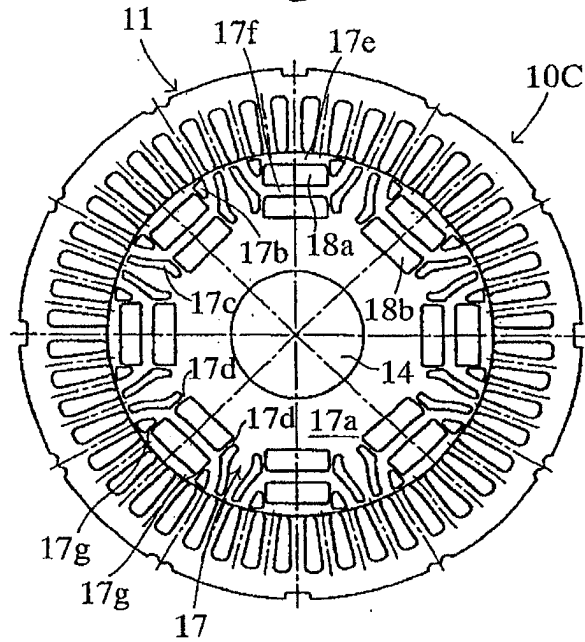


Fig.4

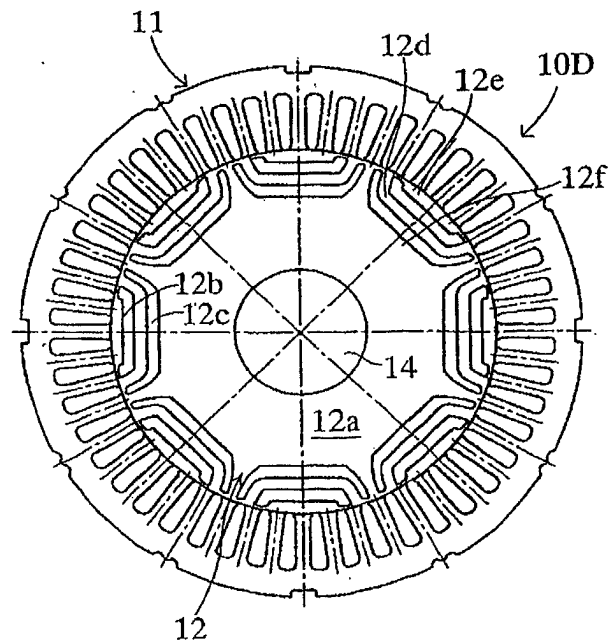


Fig.5

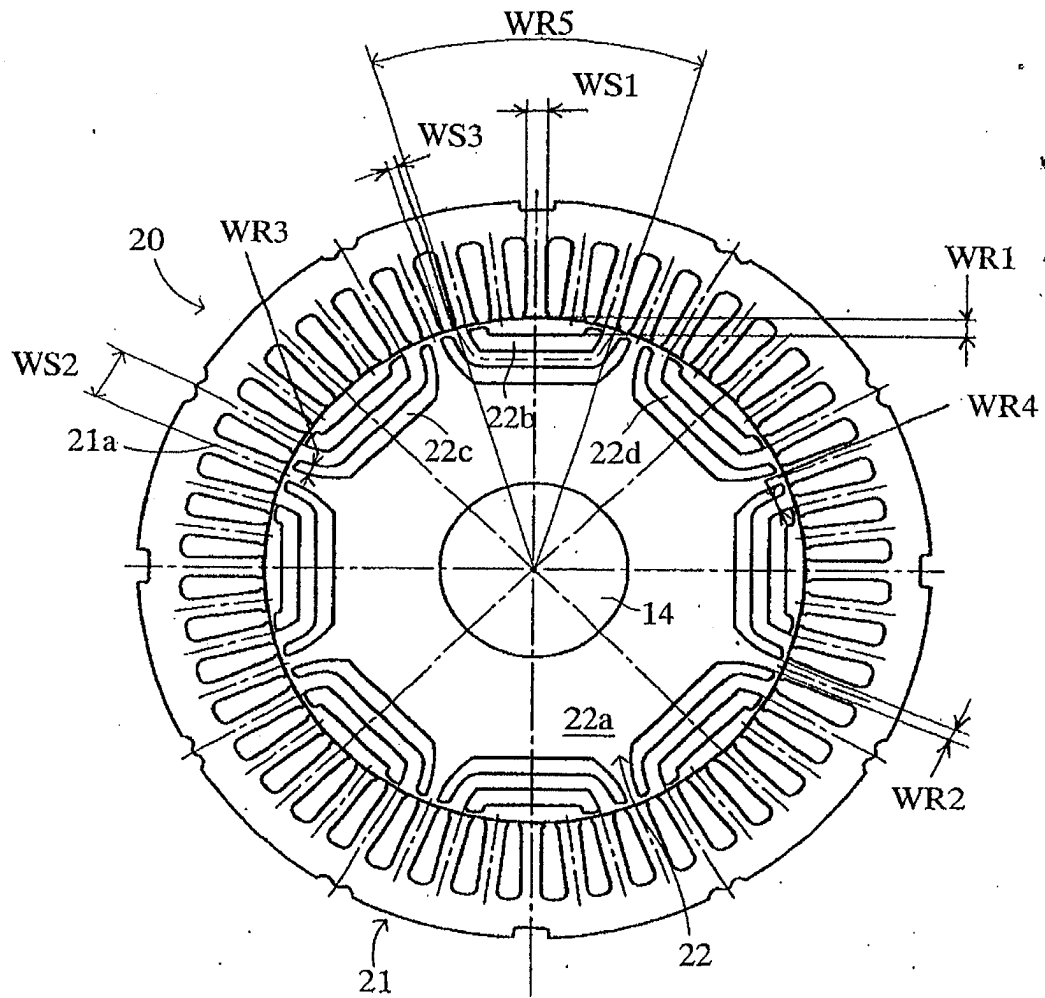
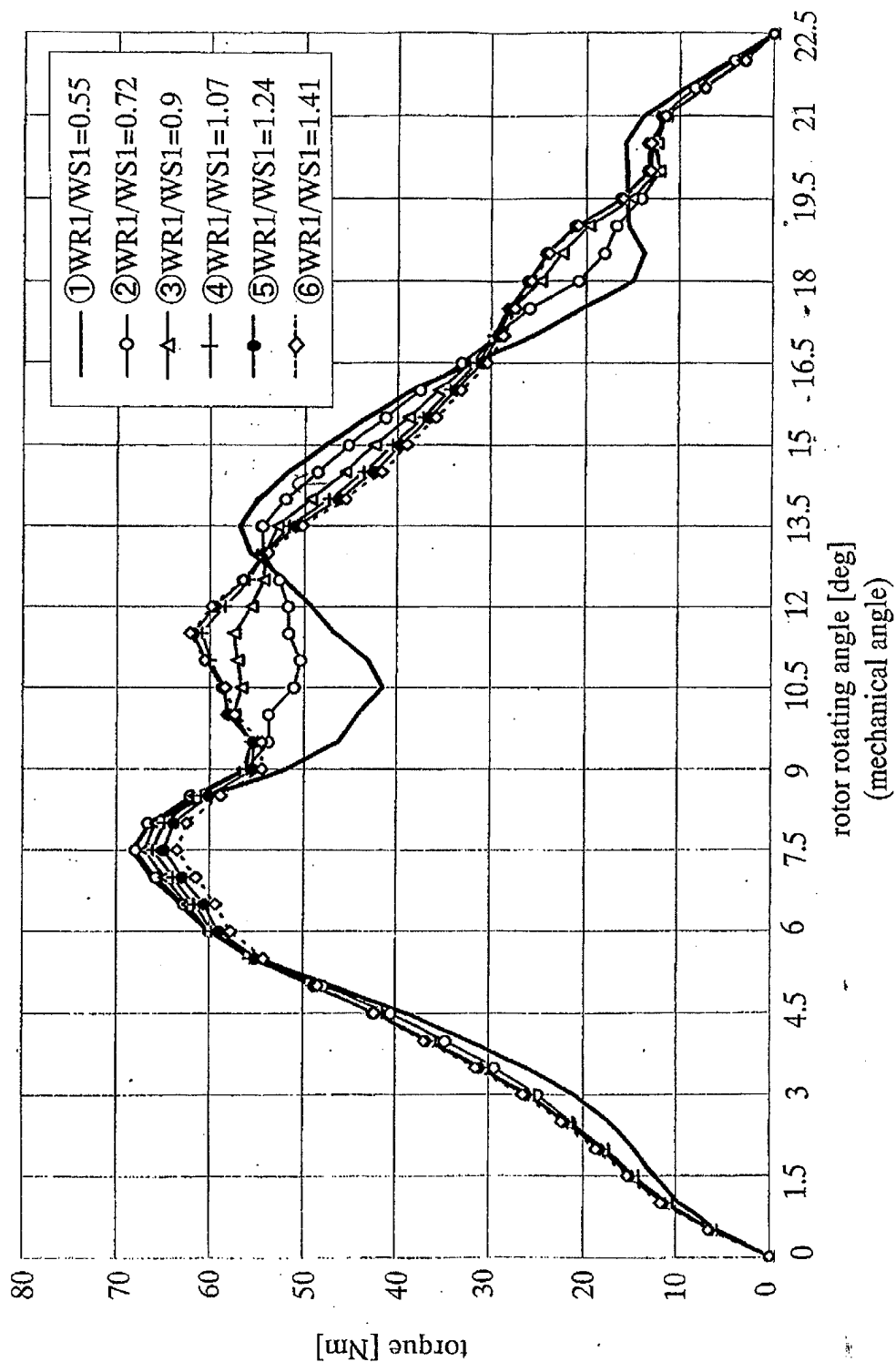


Fig.6

static torque wave varying ratio of maximum width WR1
to stator magnetic pole width WS1



static torque wave varying ratio of maximum width WR1
to stator magnetic pole width WS1

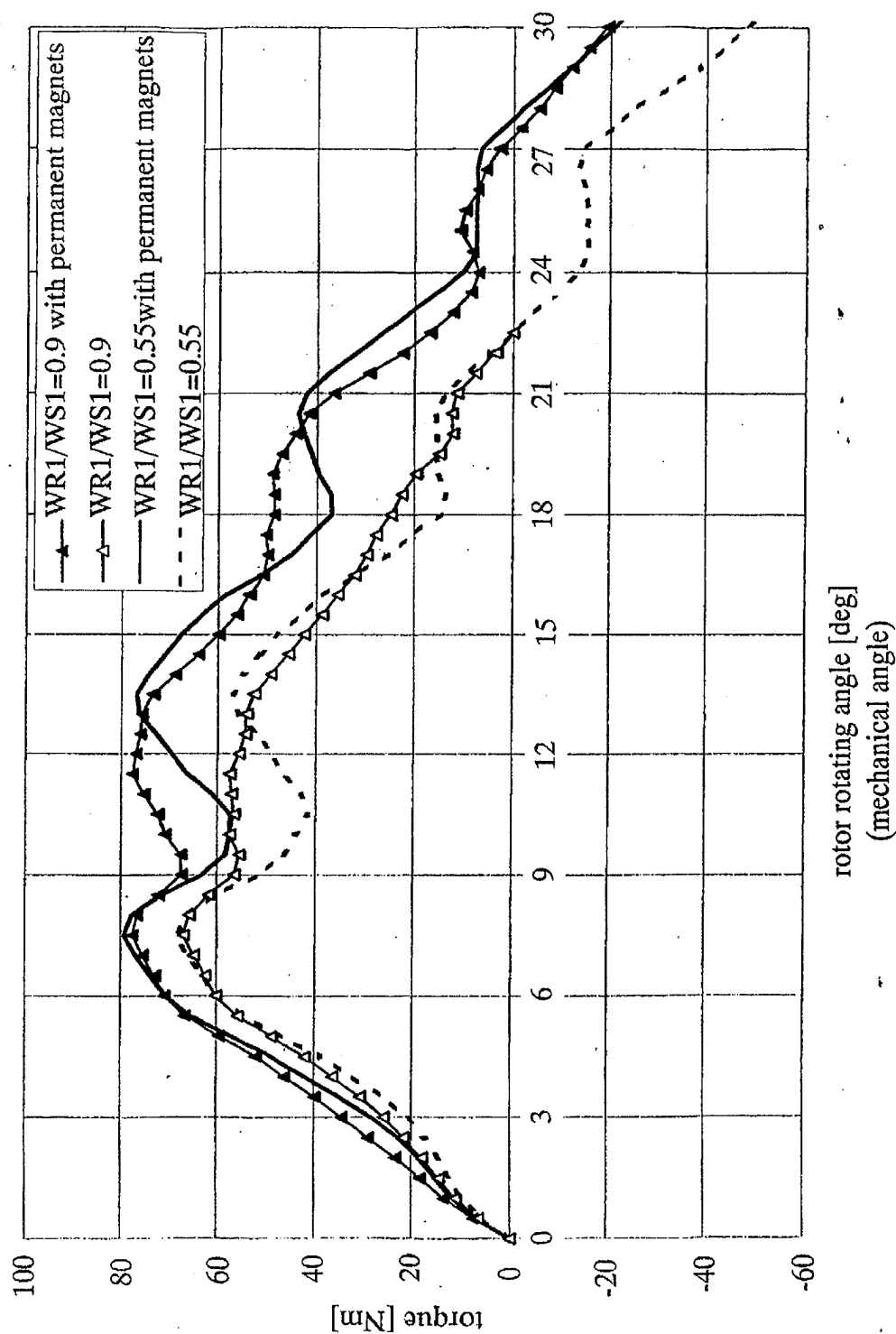


Fig.7

Fig.8

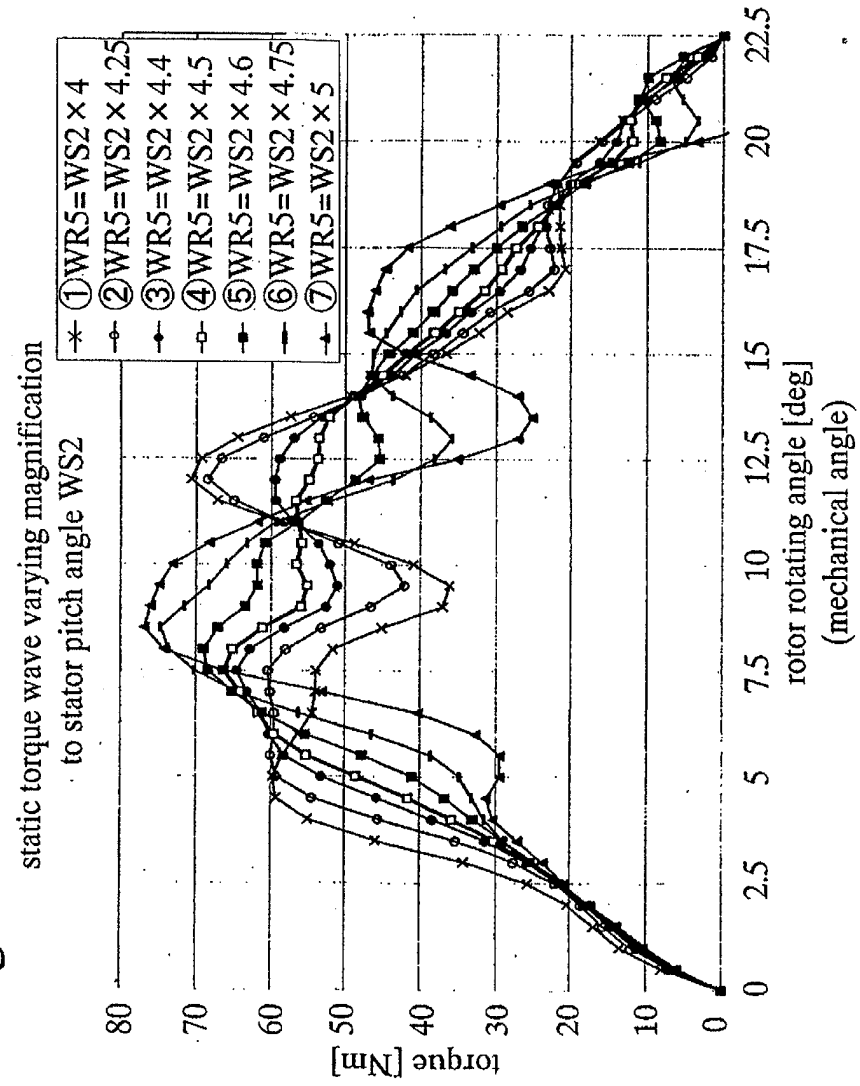


Fig.9

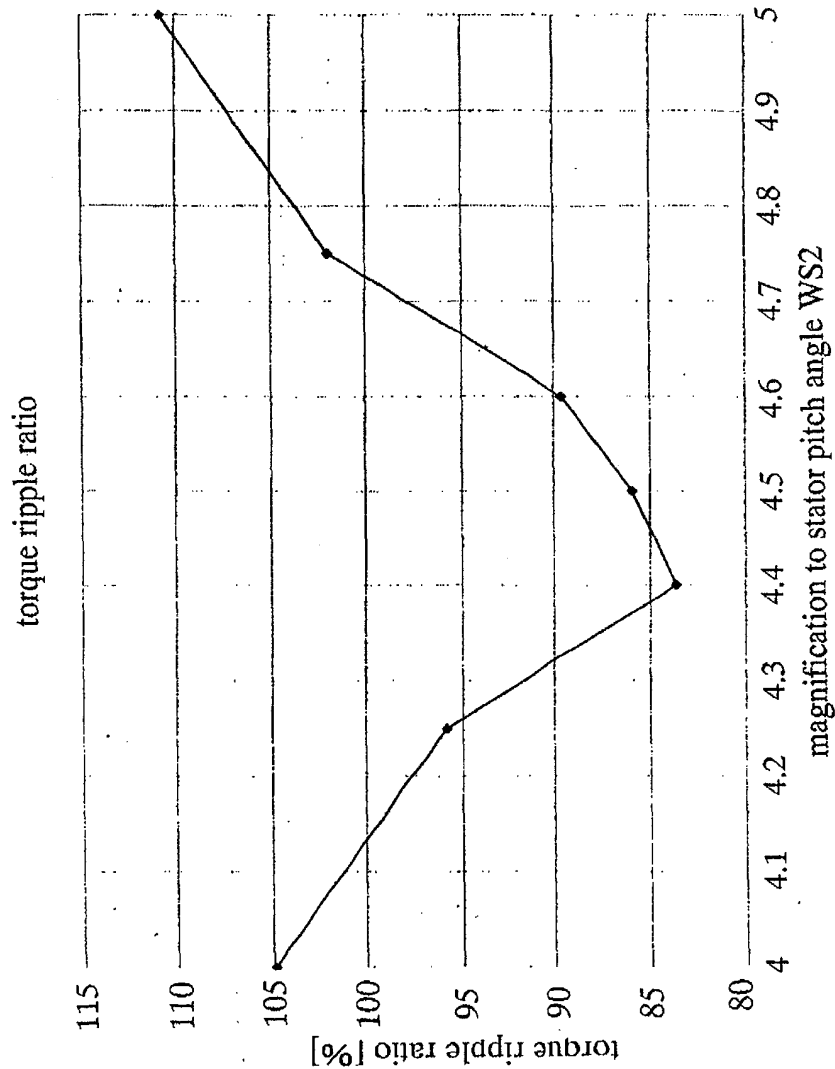


Fig.10

static torque wave varying ratio of minimum distances WR2
to stator magnetic pole width WS1

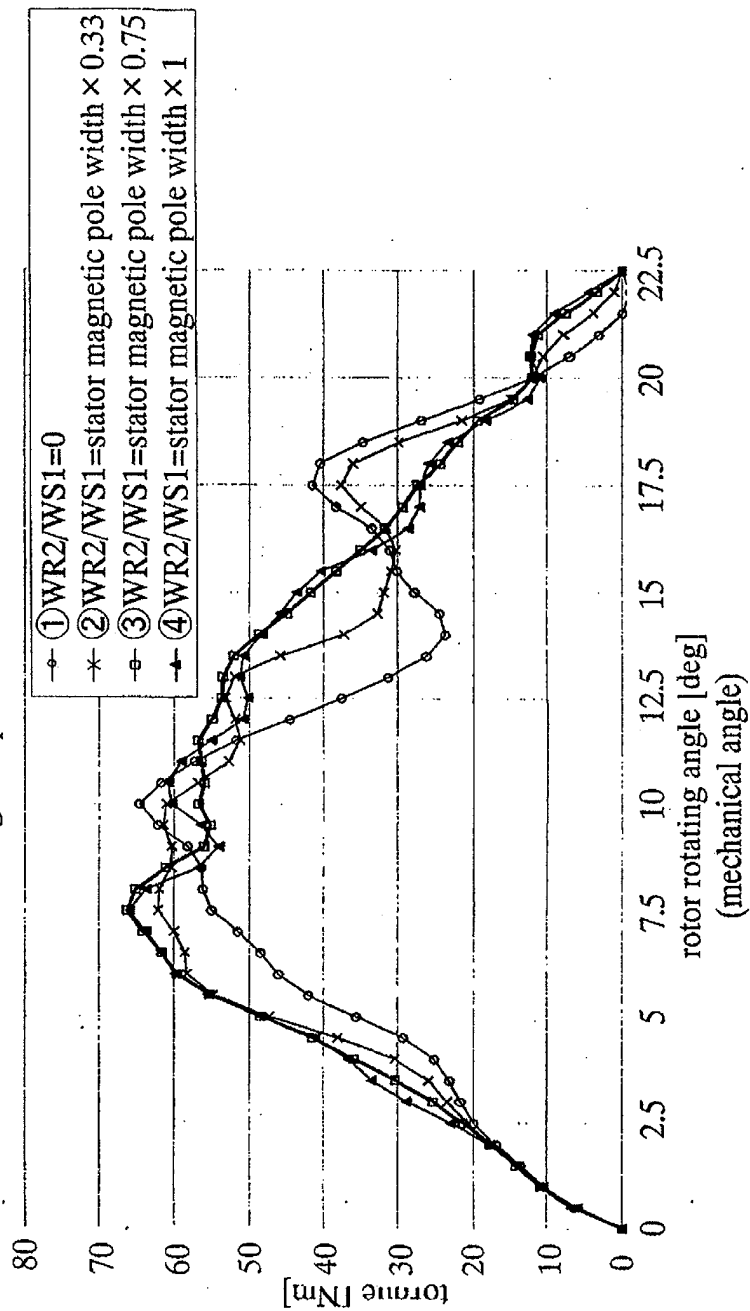


Fig.11

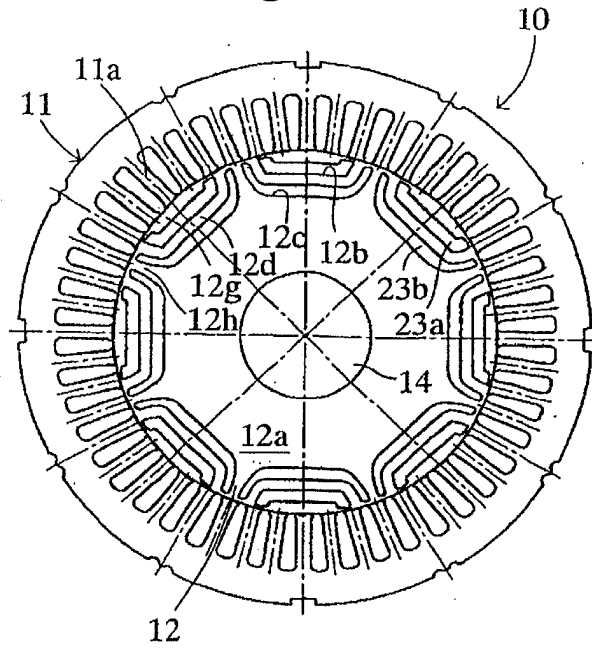


Fig.12

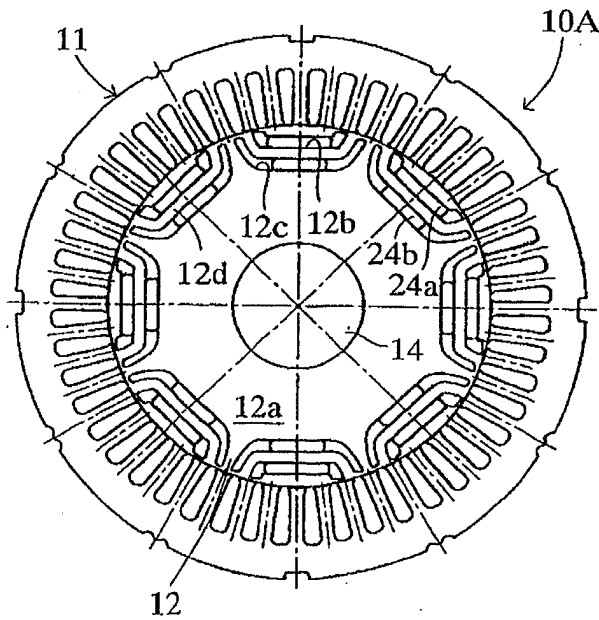


Fig.13

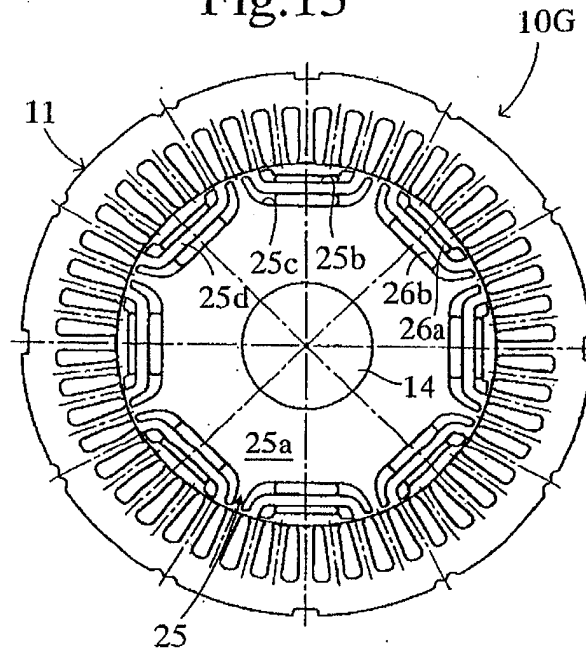


Fig.14

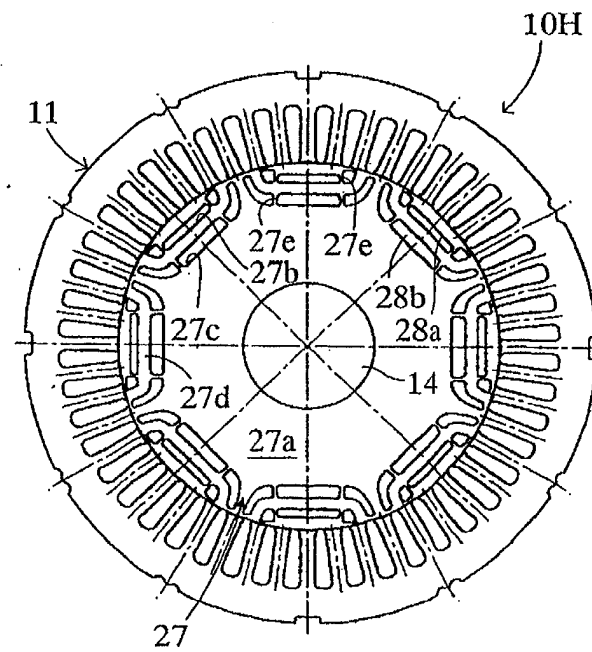


Fig.15

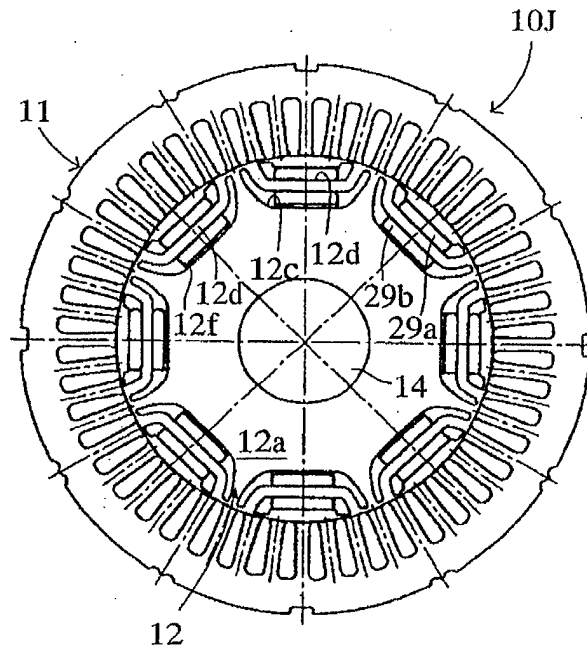
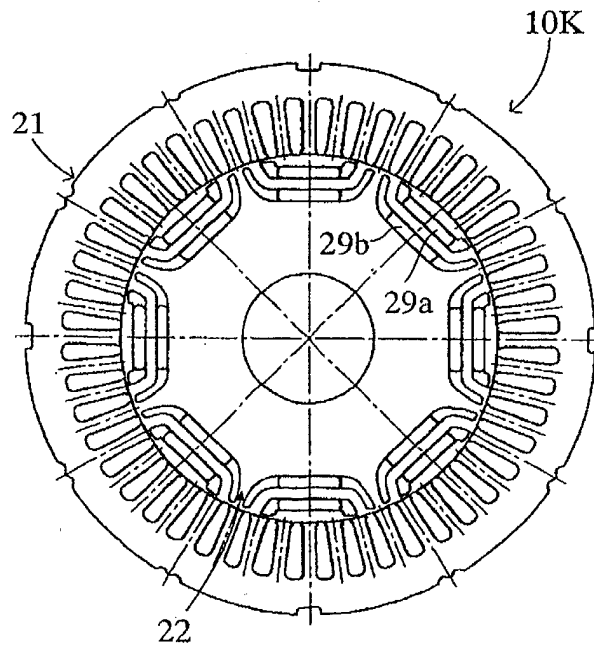
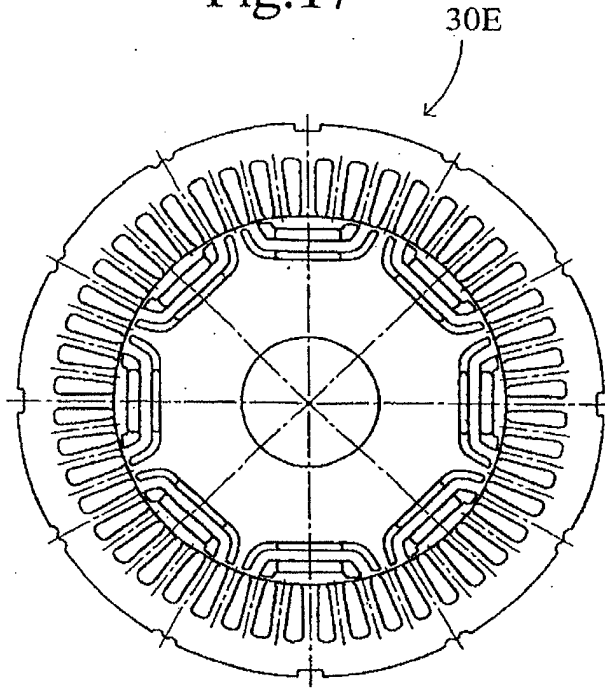


Fig.16



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Fig.17



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Fig.18

static torque wave varying magnetic flux amount ratio
with fixed total magnetic flux amount

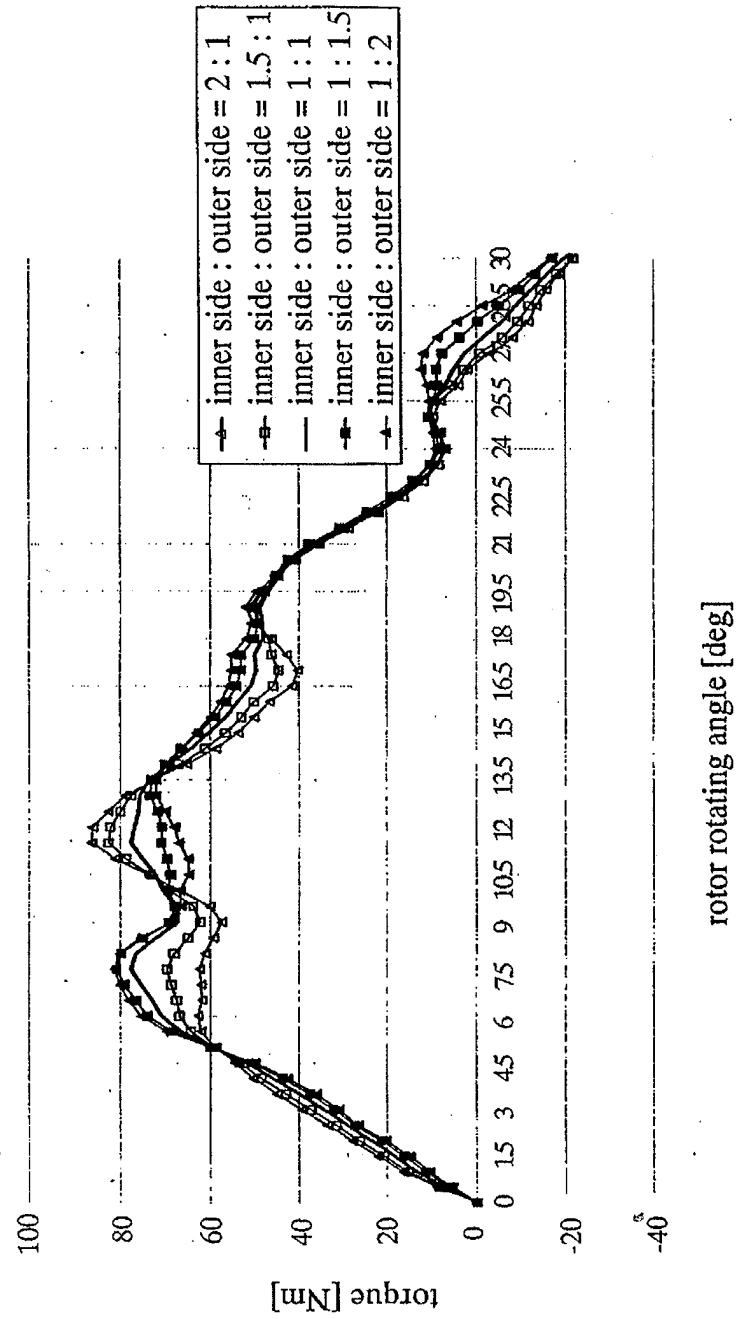


Fig.19

static torque wave varying magnetic flux amount ratio
with fixed total magnetic flux amount

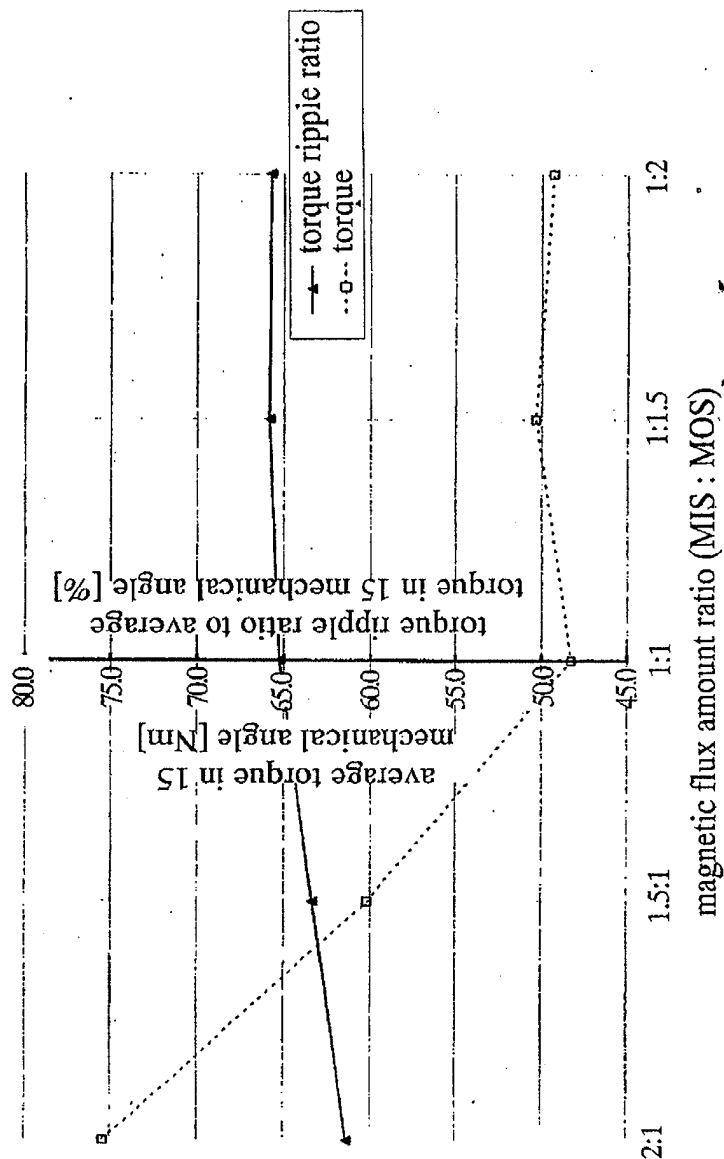


Fig.20

static torque wave varying permanent magnet

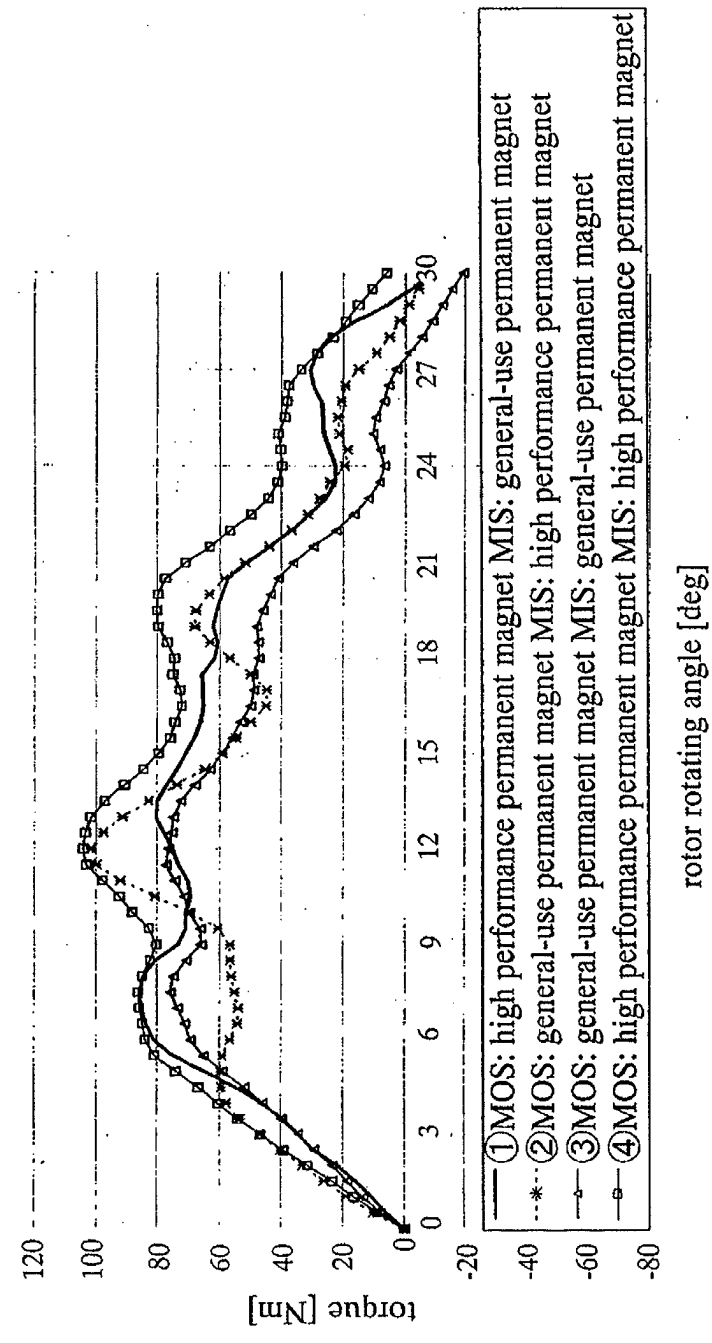


Fig.21

static torque wave with or without permanent magnet

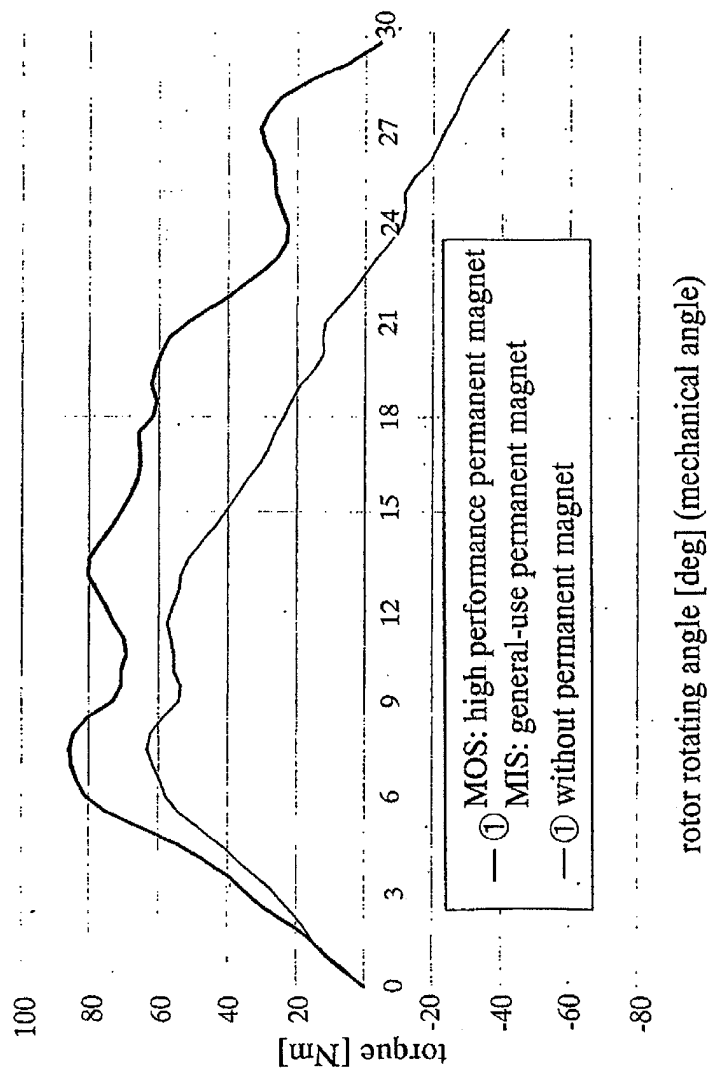
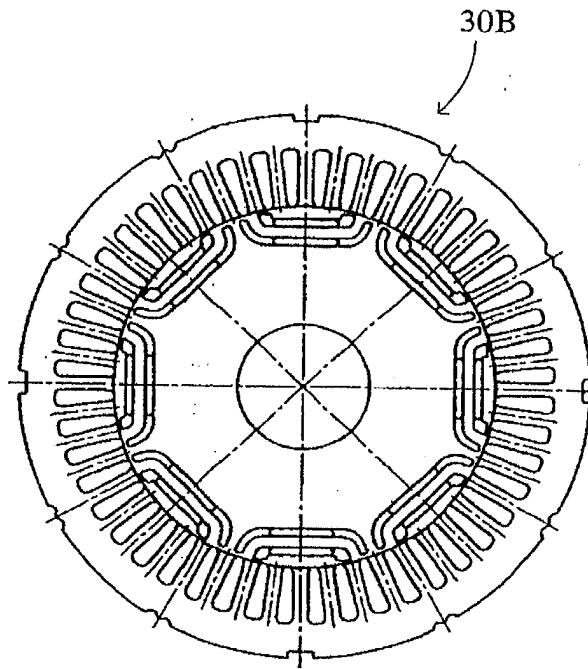


Fig.22



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